

Practice: 646 - Shallow Water Development and Management**Scenario: #1 - Low intensity, natural flooding/ponding****Scenario Description:**

This scenario addresses inadequate habitat for wildlife on cropland. The resource concern is addressed by providing shallow water habitat for wildlife species that require shallow water for at least part of their life cycle. Sites are flooded up to a depth of 18" with an average depth of 9". Water is provided by natural flooding and/or precipitation.

Before Situation:

The site is cropland and lacks habitat to provide optimum resting, nesting, and feeding needs for waterfowl, shorebirds, and other wildlife, e.g., amphibians, reptiles, mammals, invertebrates, etc.

After Situation:

Two percent of the crop is left standing in strips and several small scattered stands. A single or series of shallow water areas managed per standard and specification. Water levels are regulated to maintain temporary wildlife habitat. Timing and duration of flooding and de-watering is dependent on specific species requirements. Flooded sites vary from mudflats to water depths of 18" with an average depth of 9". Hydrologic conditions (frequency, depth, duration, and timing of flooding or ponding) provide optimum seasonal habitat for waterfowl, shorebirds, and other wildlife (amphibians, reptiles, mammals, invertebrates, etc.). If needed and dikes or water control structures are not currently present on the fields planned to be flooded, these practices may be planned for the same fields and cost shared under Structure for Water Control (587) and Dike (356). Depending on local conditions, other Conservation Practices may also be required.

Scenario Feature Measure: Acre of shallow water

Scenario Unit: Acre

Scenario Typical Size: 40

Scenario Cost: \$681.19

Scenario Cost/Unit: \$17.03

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Foregone Income						
FI, Corn Irrigated	1960	Irrigated Corn is Primary Crop	Acre	\$536.31	1	\$536.31
Labor						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.11	8	\$144.88